

In the Specification

Please amend the Abstract as shown:

ABSTRACT OF THE DISCLOSURE

A low profile linear movement lock-up system that uses a rack-and-pinion gear mechanism to open and close a sliding jaw to selectively tighten and loosen a print carrier sheet on a print roll. The rack-and-pinion gear mechanism includes a sliding cam with diagonal cam slots and ~~locking~~ locking clip with pins that slide within the cam slots to open and close the jaw. The rack-and-pinion lock-up device may be configured for installation on a print roll, either in a new machine or in a retrofit application. The rack-and-pinion lock-up device may also be deployed within a print roll, or as a printing machine including a print roll with a rack-and-pinion lock-up device. An existing printing machine may be retrofitted by replacing its existing lock-up system with the rack-and-pinion lock-up system.

Please amend the portion of the specification appearing on page 6 as shown:

DETAILED DESCRIPTION OF THE EMBODIMENTS

The rack-and-pinion lock-up system may be used to removably attach print carrier sheets to print rolls in any type of roller printing system, and particularly those using the anilox flexographic printing technology that has been used in the corrugated board industry for many years. The basic anilox flexographic printing technology has been deployed in a wide variety of printing machines, such as those described in commonly-owned United States Patent No. 6,557,465 entitled, "Printing Machine With Dual-Ink Applicators" dated May 6, 2003, and United States Patent No. 6,062,751 entitled "Belt-Driven Printer-Cutter Machine For Corrugated Paperboard of Varying Thickness" dated May 16, 2002, which are incorporated herein by reference. The rack-and-pinion lock-up system may be used to attach print carrier sheets to print rolls in these machines or in any other roller printing machine that uses print rolls and print carrier sheets. Suitable print carrier sheets for use with the rack-and-pinion lock-up system are described in the concurrently filed United States Patent Application Serial No. 10/668,844, entitled "Print Carrier Sheets With Crimp-On Edge Clips," which is also incorporated herein by reference.

Please amend the portion of the specification appearing on page 10 as shown:

FIG. 5 is an exploded perspective side view of the rack-and-pinion lock-up device. A number of countersink-head screws attach the stationary clip **14** to the print roll **10** along a first side of the slot **30**. In this particular embodiment, seven similar screws are used and only one screw **50** is labeled in FIG. 5 to avoid cluttering the figure. In addition, a number of shoulder bolts slidably attach the locking clip **16** to the print roll along the opposing side of the slot **30**. In this particular embodiment, six similar shoulder bolts are used, and again only one shoulder bolt **52** is labeled to avoid cluttering the figure. The shoulder bolt **52** is sized to bottom out in its corresponding hole **53** in the print roll **10** without tightening down the locking clip **16** to permit sliding movement of the locking clip

after the shoulder bolt has been tightened. To permit this movement, the shoulder bolt **55** **52** passes through a slot **54** in the locking clip **16** that extends in the direction of jaw motion sufficiently to allow the desired amount of jaw movement.

Please amend the portion of the specification appearing on page 11 as shown:

Referring again to FIG. 5, the pinion gear **60** is held in place at one end of the print roll **10** by a housing **70**, which also supports a pawl **72** and a spring plunger **74** that operates to lock and unlock the pawl. A pair of countersink-head screws **75** holds the housing to the print roll with the pinion gear **60** engaged with the toothed rack **58** on the cam strip **56**, with the pawl **72** positioned for selective pivotal engagement with the pinion gear **60**, and with the spring plunger **74** positioned for selective linear engagement with the spring plunger.